



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB072610-H-00
Job Sheet 182160



00403

8/18

Split to

185290

Part No: RB072610-H-00

Job Qty: 1 ea

Part Name: Ground Handling Wheels, Universal (Hydraulic)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/20/18

Job Tracking No:

Due Date: 10/22/18

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RB072610-H00 Rev.5 IPP Rev. A 18.06.07 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	13 pcs	10/22/18	10/22/18	0.00	0.00	Purchasing		10/22/18
110	Packaging	13 pcs	10/22/18	10/22/18	0.00	0.00	Packaging2		10/22/18
120	QC	13 pcs	10/22/18	10/22/18	0.00	0.00	QC6		10/22/18
121	Small Fab	13 pcs	10/22/18	10/22/18	0.00	13.00	Small Fab-5		10/22/18
122	QC	13 pcs	10/22/18	10/22/18	0.00	0.00	QC5		10/22/18
130	Packaging	13 pcs	10/22/18	10/22/18	0.00	0.00	Packaging3		10/22/18
140	QC21-FG	13 Ea	10/22/18	10/22/18	0.00	0.00	QC21		10/22/18

Part Op 100 - Issue P/O: 040773 MANUFACTURE RB072610-H-00 AS PER DWG Supplier: METEC Certificate of conformity
Descriptions: is required ***NOTE*** One set includes two assemblies.

121 - 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 as per DWG. Deburr.
3-Rivet placard 4-Install labels

130 - Pack in crate 29"x20"x20" (QTY 2) as per DWG. sheet 1. ***NOTE*** One set includes two assemblies.

aug 20 x 13

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RB072610-H-00P	GROUND HANDLING WHEELS	13 pcs (1 ea)	100-Purchasing	5121165
97524A032	Sealing Blind Rivet	104 Ea (8 ea)	121-Small Fab	3089128
RB41011	Dart Tooling Placard, Aluminum	26 Ea (2 ea)	121-Small Fab	5021040
RBD3309-1	Label, Remove Before Flight	26 Ea (2 ea)	121-Small Fab	445662972 12X5121357
RBD3309-3	Label, Grease Slides	52 Ea (4 ea)	121-Small Fab	445662973 28X5121338

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RB072610-H-00P	13	0	0
121-Small Fab	97524A032	104	571	0
	RB41011	26	803	0
	RBD3309-1	26	10	0
	RBD3309-3	52	10	0



Dart Aerospace Ltd.
1270 Alhadden Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 832-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S121171



Part: RB072610-H-00

Job No: 182160

Serial No/Batch: S121171

Revision: 4

Inspector:

Exp Date:

Instructions:

Date: 10/24/18

Part Specifications

Specifications could not be found.

Plex 8/20/18 8:27 AM dart.Lussier.Patrick



SALES ORDER CONFIRMATION

Order No.: PO040773
Date: Aug 20, 2018
Page: 1

Sold To:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario K6A 1K7

Ship To:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario K6A 1K7

Your contact: Walz, Marc C.		Shipped by: pick up		Terms: 30 days
Delivery: October 22, 2018				
Ordered	Unit	Description	Unit Price	Amount
13	Set/2	Ground Handling Wheels, dwg # RB072610-H-00 Rev.4	3,700.00	48,100.00
		Subtotal:		48,100.00
		H - HST 13%		
		HST		6,253.00
METEC Metal Technology Inc. HST: #867 061 723				
Thank you for your order!			Total Amount in CAD	54,353.00

Thank you for your order!

METEC Metal Technology Inc. 20 Terry Fox Drive P.O. Box 781 Vankleek Hill ON K0B 1R0 Canada
Tel. 1-613-678-3957 Fax 1-613-678-3956 www.metec.ca



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040773**

Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040773
PO Date: 8/20/18
Due Date: 10/25/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lussier, PatrickPhone:

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	182160	RB072610-H-00P			GROUND HANDLING WHEELS	Firmed -		10/22/18	8 pcs	0 pcs	8 pcs	\$3,700.00/pcs	\$29,600.00
Line Item Note ** One set includes two assemblies **													
2	185290	RB072610-H-00P			GROUND HANDLING WHEELS	Firmed -		10/25/18	5 pcs	0 pcs	5 pcs	\$3,700.00/pcs	\$18,500.00

Grand Total: \$48,100.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Plex 10/24/18 1:50 PM dart.Lussier.Patrick

Packing List

Bill Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Shipment No: 24160
Shipment Date: 24-Oct-2018
Ship Via: our truck
Order Number: 1804
Order Date: 08/20/18

Customer Code: DART
Phone: (613) 632-9577
PO Number: PO040773 ✓
Terms: ?

Quantity								
Item	Open	Shipped	B/O	Canceled	Unit	Description	Revision	Job Number
1	13	13	0	0	EA	DART-RB072610-H-00P Ground Handling Wheels, dwg # RB072610-H-00 Rev.4	4	1804-01

3/10
18/10
S.A.

Rec'd 8 Job 182160
see job 185290
for Remaining
S.A.

S.A.

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Dwg Rev#	P.O. Number
13	RB072610-H-00P	Ground Handling Wheels – Set/2	4	PO040773

No deviations for this PO

Material supplied by METEC

We hereby certify that the above parts were made in conformance with applicable drawings.

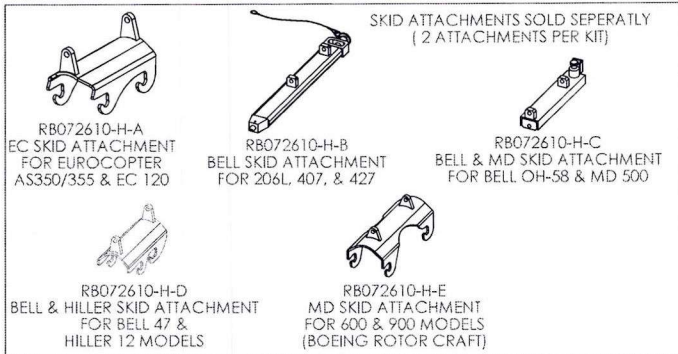
DAS
38
9-89

METEC Metal Technology Inc.

George Théorêt

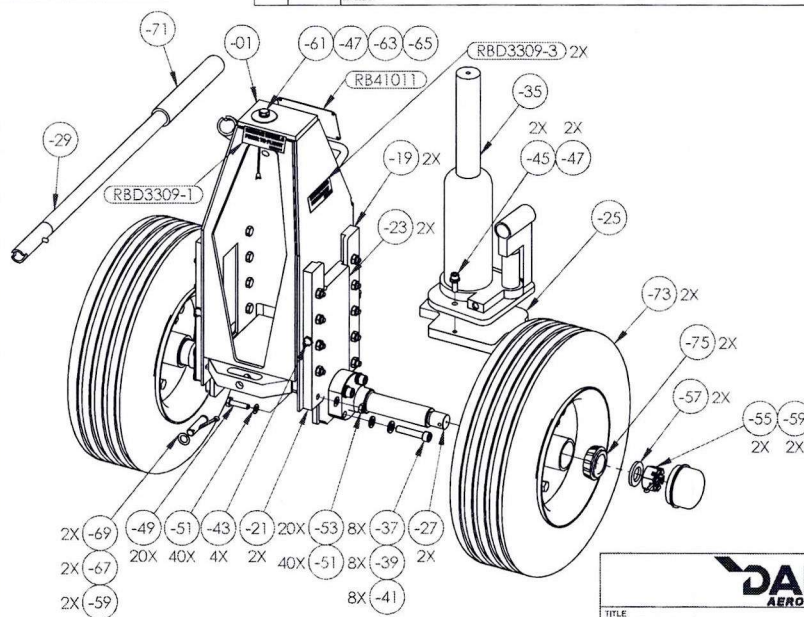
Vankleek Hill, October 24, 2018

This drawing, specifications, and concepts contained here are the sole property of DART Aerospace, and may not be reproduced or used in any fashion without the prior written permission of DART Aerospace Engineering, LLC.



REVISED			DATE	INITIAL	APPROVED
REV	ECR	DESCRIPTION			
		SHT 1. ATTACHMENTS CHANGED TO REF. -23 QTY FROM 2 TO 4. -37 FROM 5/16-18 TO 5/16-24. -61 FROM 3/4 TO 1. -65 FROM 5/16 TO 7/16. SHT 5 SHORTENED FROM 5.08 TO 4.63 SHT 12 5/16-18 CHANGED TO 5/16-24. ADDED P.06 TO 2 EDGES. SHT 14. CHANGED LENGTH FROM 5.282 TO 6.06. SHT 16. REMOVED PINCHED NOSE, ADDED CUT OUT AND Ø.735 OVER 3 INCHES. SHT 18 ADDED THIS SHEET FOR CORRECT LENGTH	3/9/2011	JAG	
2		SHT 2-4 INCREASED HEIGHT BY .50. SHT 5 ADDED 1/4 RADIUS. SHT 10-12 CHD TO BLACK ANODIZE FROM GOLD. SHT 14 CORRECTED 3/4-16 UNF CALLOUT	2/23/2012	JAG	RW
3	16-0087	-01 DELETED BEVEL WELD FRONT & BACK. ADDED FILLET WELD 2X. CHD FINISH WAS POWDER COAT FORREST 15920 SPYELLOW RIBBON B POWDER COAT YELLOW FED #13538. -05 ADDED DIM 2X. 25 TWO PLACES. -09 CHD DIMS WAS 2.82 B 2X 2.8. WAS 1.31 B 1.32. WAS .438 B .44. WAS 1.20 B 1.21. WAS .445 B .45. WAS Ø.391 B Ø.391 THRU ALL. -11 CHD DIMS WAS 2.84 B 2.84. WAS 2.50 B 2.54. WAS Ø.292 B Ø.29. -19 A. -21 DELETED DIMS 3.000. 4.300. AND 4.000. CHD DIM WAS 1.500 B 1.500. CHD ENGRAVE NOTE WAS ENGRAVE PART NO. 3/16 LETTERS IS ENGRAVE PART NO. -23 CHD DIM WAS .525 B .535 + Ø10-300. -25 A. -29 CHD FINISH WAS POWDER COAT FORREST 15920 SPYELLOW RIBBON B POWDER COAT YELLOW FED #13538. -27 CHD DIMS WAS 7/2 B 7.7. WAS 1.25 B 1.3. WAS Ø.650 B Ø.65. CHD ENGRAVE NOTE WAS ENGRAVE PART NO. 3/16 LETTERS IS ENGRAVE PART NO. -31 CHD DIM WAS Ø.188 B Ø.188 THRU ALL. CHD ENGRAVE NOTE WAS ENGRAVE PART NO. "RB072610-H-29". 3/16 LETTERS IS ENGRAVE "RB072610-H-29". -35 DELETED TACK IN TWO PLACES WELD CALLOUT. ADDED CRATE TO BOM. -75 ADDED TO BOM. ADDED RB03309-1 & RB03309-3 TO BOM.	8/1/2016	RJC	JAG
4	17-0033	-01 CHD DIM WAS (5.06) IS (5.25). REMOVED DIM (1.02"). -03 CHD DIM WAS 12.10 B 12.05. WAS 3.22 B (3.05). WAS 7.27 B 7.53. WAS 13.03 B 12.98. WAS 14.1 B 14.3". WAS 10.2" B 10.4". WAS (2X 10.31) B 10.3". WAS 7.26 B 7.52. WAS 5.74 B 5.63. WAS 12.75 B (12.71). WAS 3.22 B 3.05. ADDED DIM 25. 1.62. 1.75. 2X 10.4". -05 CHD DIM WAS 2X 2.8 B 2X 2.8. WAS 3.24 B 3.13. WAS 5.30 B 5.49. WAS 3.20 B 3.03. WAS 2.43 B 2.36. WAS 10.4" B 11". WAS 47.50 B 4X 500. WAS 1.01 B 1.01. REMOVED DIM 1.29. 3.02. 2.75. 1.22. 10.4". ADDED DIM 2X 11". 5.64. 1.97. 3.75. ADDED FLAT PATTERN SHEET. -09 CHD DIM WAS .65 B 2X .65. ADDED DIM 1.65. REMOVED DIM (1.27). -65. -25 REMOVED DIM 3.125. CHD DIM WAS 2X Ø.25 B 6X Ø.25. -27 CORRECTED REV 3 NOTES. REPLACE DIMS Ø.65. 13. 77. WITH Ø5.0MM THREAD RELIEF. -29 ADDED NOTE "INK STAMP P/N". -31 REMOVED NOTE "INK STAMP "RB072610-H-29". -35 CHD DIM WAS 1.563 B 1.56.	2/8/2017	SM	JAG

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PQ.
	X		-01	2	HOUSING WELDMENT			2
	1		-03		FRONT	A36/1018/1020 HR		3
	1		-05		3 SIDED FRAME	A36/1018/1020 HR		4,5
	2		-09		LATCH BAR	A36/1018/1020 HR		6
	1		-11		BOTTOM	A36/1018/1020 HR		7
	1		-13		TOP	A36/1018/1020 HR		8
	1		-15		HANDLE	1018/1020 CR		9
			-17	1	LOCK TUBE	DOM		10
			-19	4	LEFT SLIDE CLAMP	6061		11
			-21	4	RIGHT SLIDE CLAMP	6061		12
			-23	4	SLIDE	6061		13
			-25	2	JACK PLATE	4140/4142		14
			-27	4	SPINDLE	6061		15
X	1		-29		HANDLE BAR WELDMENT			16
1			-31		HANDLE BAR	DOM		17
1		B/O	-33		DOWEL PIN	STEEL	Ø3/16 X 1 (MCMaster-CARR #96381A310)	18
			-35	2	3 TON HYDRAULIC JACK		NORCO MODEL NO. 76503A (MODIFIED)	19
	B/O		-37	16	SOCKET HEAD CAP SCREW	STEEL PLATED	5/16-24 X 1-1/2 (MCMaster-CARR #91251A387)	1
	B/O		-39	16	FLAT WASHER	STEEL PLATED	Ø5/16 ID AN960-516	1
	B/O		-41	16	SPLIT LOCK WASHER	STEEL	Ø5/16 ID (MCMaster-CARR #91102A753)	1
	B/O		-43	8	ZERK FITTING	STEEL PLATED	1/4-28 (MCMaster-CARR #1095144)	1
	B/O		-45	4	SOCKET HEAD CAP SCREW	STEEL PLATED	1/4-20 X 3/4 (MCMaster-CARR #91051A540)	1
	B/O		-47	6	SPLIT LOCK WASHER	STEEL PLATED	Ø1/4 ID (MCMaster-CARR #91102A750)	1
	B/O		-49	40	HEX HEAD CAP SCREW	STEEL PLATED	1/4-20 X 1 (MCMaster-CARR #9286A008)	1
	B/O		-51	60	FLAT WASHER	STEEL PLATED	Ø1/4 ID AN960-416L	1
	B/O		-53	40	NYLOCK NUT	STEEL PLATED	1/4-28 (MCMaster-CARR #94945A210)	1
	B/O		-55	4	SLOTTED HEX NUT	STEEL PLATED	3/4-16 (MCMaster-CARR #95030A270)	1
	B/O		-57	4	FLAT WASHER	STEEL PLATED	Ø3/4 ID (MCMaster-CARR #97669A400)	1
	B/O		-59	4	COTTER PIN	STEEL PLATED	Ø1/8 X 1-1/4 (MCMaster-CARR #98338A155)	1
	B/O		-61	2	HEX HEAD CAP SCREW	STEEL PLATED	1/4-20 X 1 (MCMaster-CARR #9286A5A42)	1
	B/O		-63	2	FENDER WASHER	STEEL PLATED	Ø1/4 ID, Ø1-1/4 O.D. (MCMaster-CARR #9109GA109)	1
	B/O		-65	2	DREL BUSHING	STEEL	Ø1/4 LD X Ø3/8 O.D. X 1/4 (MCMaster-CARR #8491AD99)	1
	B/O		-67	4	CLEVIS PIN W/HAIR PIN	STEEL PLATED	Ø3/8 X 1-1/2 (MCMaster-CARR #97245A682)	1
	B/O		-69	4	FLAT WASHER	STEEL PLATED	Ø3/8 AN960-616L	1
	B/O		-71	2	HANDLE BAR GRP	PLASTIC	Ø3/4 X 6 (MCMaster-CARR #928X123)	1
	B/O		-73	4	WHEEL ASSEMBLY		MHS CASTERS #1C-Ø70-386-11RB	1
	B/O		-75	4	TAPERED-ROLLER BEARING	STEEL	Ø 1" SHAFT, TRADE #144643 (MCMaster-CARR #6678X12)	1
	B/O		RB03309-1	1	LABEL REMOVE BEFORE FLIGHT		SIGNS NOW	1
	B/O		RB03309-3	2	LABEL, OPEASE SLIDES		SIGNS NOW	1
	B/O			1	DART PLACARD	ALUMINUM	RB41011	1
	B/O			1	CRATE ISPM15 CERTIFIED		(SPECIALTY CRATE #CRATE LD. 29 X 20 X 20)	N/A



NOTE:
1 UNIT SHOWN, QTY OF 2 REQUIRED

DART AEROSPACE	
TITLE GROUND HANDLING WHEELS	
DWG NO. RB072610-H-00	REV 4
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 XX ± .01 ANGLES ± 3° X ± .1 SURFACES ± 125
CHECKED: DUEFELDT	1. BREAK ALL SHARP EDGES Ø15 X .45" ØR. Ø15R
OPPS APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:6	DATE 3/7/2011
SHEET 1 OF 18	